

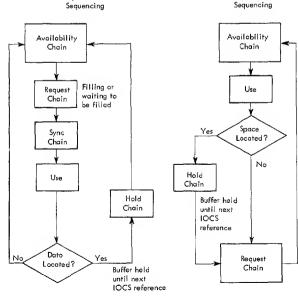
Note: All buffers except lost will be prefixed by 7 if hold chain is formed by write.

> Prefix of last buffer is blank if last buffer is not completely used, to indicate that this buffer is to be returned to use in next reference.

> > Output Buffer

Location "Holds" Buf 3 Buf 1

Input Buffer



---FORMAT OF UNIT ADDRESSES IN UCB'S---

Unit Address for Tape and Card Equipment

5 6 7 B 9 10 11 12 13 14 15 16 17 For 729 Tope Units - BCD Mode Address Far Card Equip and Printers - Octal Address (See Chart Below)

Unit Address for 7340 Hypertape

5 6 7 8 9 10 11 12 13 14 15 16 17 Device (000) (1 through 8) (0 through 9)

Unit Address for 1301 Disk Storage

5 6 7 B 9 10 11 12 13 14 15 16 17 Device Module Numb Channel (100) (1 through B) (0 through 9)

Unit Address for 7320 Drum Storage

5 6 7 B 9 10 11 12 13 14 15 16 17 Device Module Numbe Channel 1 through 8) (011) (0,2,4,6, or 8

Input/Output Device Addresses

Magnetic To	ape Units	Printers				
Channel	BC0 Address	Chonnel	Octal Address			
A	01201 to 01212	Α	01361			
В	02201 to 02212	В	02361			
Ċ	03201 to 03212	C	03361			
Đ	04201 to 04212	Ð	04361			
Ē	05201 to 05212	LΕ	05361			
Ē	06201 to 06212	F	06361			
G	07201 to 07212	G	07361			
Ĥ	10201 to 10212	н	10361			

Card Readers		Card Punches	Card Punches					
Channel	Octal Address	Channel	Octal Address					
Α	01321	A	01341					
В	02321	В	02341					
С	03321	C	03341					
D	04321	D	04341					
Ē	05321	E	05341					
F	06321) F	06341					
G	07321	G	07341					
H	10321	н	10341					

Explanation of Codes Used in Unit Control Blocks

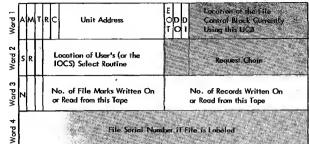
- Availability Flag Seek Request Flag
- Select Mode Flag (Normal or Backward)
- Channel Type
- Tape Density at Current Positions
- EOT
- ĐO Tape Density at Load Point
- End-of-Tape Flag
- End Warning Area Flag EWA
- Attachment Flag

IBM 7090/7094 10CS Reference Card

Form Number X28-6380 Printed in U.S.A.

UCB for 729 Tape and Card Equipment

5 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

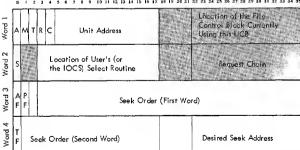


UCB for 7340 Hypertape Units

Control Block Currentle Using this UCB Unit Address Location of the User's (or the IOCS Select Routine No. of File Marks Written On No. of File Marks Written On or Read from this Tope or Read from this Tope File Serial Number if File is Labeled

UCB for 1301 Disk Storage and 7320 Drum Storage Units

S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35



- N Noise Record Flag (reading only)
- PF Seek Issued Flag
- R In Word 1 of a UCB Reserve Status Flag In Word 2 of a Tape UCB - Permanent
- Redundancy Message Control Select Type (Read or Write)
- In Word 1 of a Tape UCB Tape Unit Type In Word 1 of a Disk UCB - File Control Unit Type
- In Word 4 of a Disk UCB Track Flag

		S	1 2	3 4	5	6 7	8 9	10 11	12	13 14	15	16 17	18 19 20	21 22	23 24 25	26 27 2	8 29 30 31 32 33 34 35	
Word 1	729 7340	MF2		Location of Unit Control Block of Secondary Unit MF1										Location of Unit Control Block of Primary Unit				
^ [1301 7320	WCF					Beginning-of	-File Locator					57 Philipping States of St				•	
Word 2	729 - 7340 - 1301 7320	Mixed Made ?	Checkpoint Control	File Reserve Open File Inhibit ? File Type Label ? Block Sequence and Check Sums ? Sequence Check Sums ? Place Release Rush ? ?						er End of P h Tape C	File Rush term This losed Sequer ?	Rd Label Wr Label Density Density Density Reckward Rew and File Prace Rd Mode tect at Reel Switch	-	Number af Buffers in Log	ical Use	Number of Buffers Ahead		
Γ	729					Lacation of Entry Paint for Nonstandard Label Image Routine												
Word 3	7340	Regen Int File ?	A SYSINI System or Unit SYSIN2	Location of Transfer Vector for Label Field 27											Location of Control Word of Buffer or Buffer Pool to be Used by this File			
	7320		? ?		Location of Entry Point for Nonstandard Label Image Routine													
Word 4	729 7340 1301 7320	Reg or Int Counter far Black Sequence Checking												Location of the Group Control Word if this is a Reserve or Internal File				
Word 5	729 7340 1301 7320	File Card List ? Location of Buffer Pool												Buffer Synchronization Chain or Lacatian of Zero Cell (End of Chain); or Buffer Request Chain at End-of-Tape Condition				
Word 6	729 7340	00 - 1	7340	Count of Erase Areas on Current Output Reel, or Count of Permanent Parity Errors on Current Input Reel										 	Number of Eraso Areas Written for Current Output Reel , or Number of Retries for Current Input Reel			
^	1301 7320	10 - 1301 11 - 7320 Number of Retries for Current Input File											Number of Ratrics for Current Input Reel					
Word 7	729 - <u>7340</u>	File Serial Number in the Form bXXXXX																
+	7320	Number of Tracks (in Binory) For this Record HA2								200g	Binary Head and Trock Location of Current File Position							
Ward 8	729 7340										Reel Sequen	nce Number in	the Form bXXXXb					
*	1301 7320		Binary Head-Track Number of "Load Point"						7 y	Lost Binary Head and Track Address								
Word 9	729 7340 1301 7320	Retention Doys in the Form bbXXXX																
Word 10	729 7340 1301 7320	First Six Characters of File Name																
_ [729	Second Six Characters of File Name																
Word 11	7340	Characters 7-10 of File Name Characters 11 and 12 of File Name									ters 11 and 12 of File Name							
	1301 7320										Second Six	Characters of	File Name					
12	729										Last Six Ch	aracters of Fil	e Name					
Word	7340		Last Six Characters of File Name, ar Reel Serial Number															
	1301 7320]									Last Six Ch	aracters of Fil	e Name					